

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A transmission gear with a dog clutch gear in which the dog clutch gear has clutch teeth formed on an outer circumferential surface of a ring part and tapered inversely so that the tooth thickness of each tooth decreases gradually from a chamfer portion at a tip end toward a base end portion thereof, and the dog clutch gear is ~~integrally~~ fitted onto a boss portion of said transmission gear, said boss ~~which~~ portion is coaxially and integrally formed on a side surface of said transmission gear, comprising:

~~characterized in that~~

a flange ~~is provided on an outer circumferential surface of said ring part to be located on the side corresponding to the base end portion of the clutch teeth,~~ extending in an outer radial direction from said base end portion of the clutch teeth; and

a plurality of interfaces between said ring part and said transmission gear is performed by welding.

Claim 2 (Currently Amended): A transmission gear with a dog clutch gear according to claim 1, wherein

said plurality of interfaces between said ring part and said transmission gear are welds simultaneously welded.

Claim 3 (Currently Amended): A transmission gear with a dog clutch gear in which the dog clutch gear has clutch teeth formed on an outer circumferential surface of a ring part and tapered inversely so that the-tooth thickness of each tooth decrease gradually from a chamfer portion at a tip end toward a base end portion thereof, and the dog clutch gear is

~~integrally~~ fitted onto a boss portion of said transmission gear, said boss ~~which~~ portion is coaxially and integrally formed on a side surface of said transmission gear, comprising:

~~characterized in that~~

a flange is ~~provided~~ on an outer circumferential surface of said ring part ~~to be located on the side corresponding to the base end portion of the clutch teeth,~~ extending in an outer radial direction from said base end portion of the clutch teeth; and

welding a first interface between an inner circumferential surface of said ring part and an outer circumferential surface of said boss portion and a second interface between a ~~lower~~ surface of said flange and the side surface of the transmission gear ~~are performed by welding.~~

Claim 4 (Currently Amended): A transmission gear with a dog clutch gear according to claim 3, wherein

said first and second interfaces are welds ~~simultaneously performed by welding.~~

Claim 5 (Currently Amended): A transmission gear with a dog clutch gear according to claim 4, wherein

an outer diameter of said flange is ~~rendered~~ equal to a ~~the~~ maximum diameter of said clutch teeth.

Claim 6 (Currently Amended): A transmission gear with a dog clutch gear ~~according to claim 4, wherein~~ in which the dog clutch gear has clutch teeth formed on an outer circumferential surface of a ring part and tapered inversely so that the-tooth thickness of each tooth decrease gradually from a chamfer portion at a tip end toward a base end portion thereof, and the dog clutch gear is fitted onto a boss portion of said transmission gear, said

boss portion coaxially and integrally formed on a side surface of said transmission gear,  
comprising:

a flange on said ring part to be located on the side corresponding to the base end  
portion of the clutch teeth, an the outer diameter of said flange is rendered greater than a the  
maximum diameter of said clutch teeth; and

a first interface between an inner circumferential surface of said ring part and an outer  
circumferential surface of said boss portion and a second interface between a surface of said  
flange and the side surface of the transmission gear.

Claim 7 (Currently Amended): A transmission gear with a dog clutch gear according  
to claim 5, wherein in which the dog clutch gear has clutch teeth formed on an outer  
circumferential surface of a ring part and tapered inversely so that the-tooth thickness of each  
tooth decrease gradually from a chamfer portion at a tip end toward a base end portion  
thereof, and the dog clutch gear is fitted onto a boss portion of said transmission gear, said  
boss portion coaxially and integrally formed on a side surface of said transmission gear,  
comprising:

a flange on said ring part to be located on the side corresponding to the base end  
portion of the clutch teeth, an outer diameter of said flange equal to a maximum diameter of  
said clutch teeth;

a first interface between an inner circumferential surface of said ring part and an outer  
circumferential surface of said boss portion and a second interface between a surface of said  
flange and the side surface of the transmission gear; and

an annular groove whose inner wall surface is continuous with an outer  
circumferential surface of said boss portion and whose outer wall surface has a the diameter

equal to the outer diameter of the flange is formed in ~~on~~ the side surface of said transmission gear.

Claim 8 (Currently Amended): A transmission gear with a dog clutch gear according to claim 6, ~~wherein~~ further comprising:

an annular groove whose inner wall surface is continuous with an outer circumferential surface of said boss portion and whose outer wall surface has a ~~the~~ diameter equal to the outer diameter of the flange is formed in ~~on~~ the side surface of said transmission gear.

Claim 9 (Currently Amended): A transmission gear with a dog clutch gear ~~according to claim 5, wherein~~ in which the dog clutch gear has clutch teeth formed on an outer circumferential surface of a ring part and tapered inversely so that the-tooth thickness of each tooth decrease gradually from a chamfer portion at a tip end toward a base end portion thereof, and the dog clutch gear is fitted onto a boss portion of said transmission gear, said boss portion coaxially and integrally formed on a side surface of said transmission gear, comprising:

a flange on said ring part to be located on the side corresponding to the base end portion of the clutch teeth, an outer diameter of said flange equal to a maximum diameter of said clutch teeth;

a first interface between an inner circumferential surface of said ring part and an outer circumferential surface of said boss portion and a second interface between a surface of said flange and the side surface of the transmission gear; and

an annular groove whose inner wall surface is continuous with an outer circumferential surface of said boss portion and whose outer wall surface has a ~~the~~ diameter

greater than the outer diameter of the flange is formed in ~~on~~ the side surface of said transmission gear.

Claim 10 (Currently Amended): A transmission gear with a dog clutch gear according to claim 6, ~~wherein~~ further comprising:

an annular groove whose inner wall surface is continuous with an outer circumferential surface of said boss portion and whose outer wall surface has a ~~the~~ diameter greater than the outer diameter of the flange is formed in ~~on~~ the side surface of said transmission gear.

Claim 11 (Currently Amended): A method of manufacturing a transmission gear with a dog clutch gear ~~characterized by~~ comprising:

separately forming a dog clutch gear and a transmission gear, ~~wherein~~ said dog clutch gear has having clutch teeth formed on an outer circumferential surface of a ring part and tapered inversely so that the tooth thickness of each tooth decreases gradually from a chamfer portion at a tip end toward a base end portion thereof, said dog clutch gear including a flange is provided on an outer circumferential surface of said ring part to be located on the side corresponding to said base end portion of said clutch teeth extending in an outer radial direction from said base end portion of the clutch teeth, and said transmission gear having has a boss portion ~~which is~~ coaxially and integrally formed on a side surface of said transmission gear;

fitting said dog clutch gear onto said boss portion of said transmission gear; and  
providing a plurality of interfaces ~~simultaneously performing welding~~ between said ring part and said boss portion and welding between said flange and the side surface of said transmission gear.

Claim 12 (Currently Amended): A transmission gear with a dog clutch gear,  
comprising:

~~characterized in that a dog clutch gear and a transmission gear are formed separately,~~  
wherein

~~said dog clutch gear has~~ clutch teeth formed on an outer circumferential surface of a  
ring part of said dog clutch gear, said clutch teeth and tapered inversely so that the tooth  
thickness of each tooth decreases gradually from a chamfer portion at a tip end toward a base  
end portion thereof, ~~[[;]]~~ and

a flange is ~~provided~~ on an outer circumferential surface of said ring part ~~to be located~~  
~~on the side corresponding to said base end portion of said clutch teeth~~ extending in an outer  
radial direction from said base end portion of the clutch teeth, [[;]]

wherein said transmission gear and said dog clutch gear are formed separately, said  
transmission gear has an axial hole with a diameter that matches a diameter of said  
flange ~~[[;]]~~, the transmission gear is configured to fit ~~fitted~~ onto said flange of said dog clutch  
gear, ~~[[;]]~~ and ~~welding between~~ the transmission gear and the flange are configured to be fixed  
to each other ~~is performed~~ on both side surfaces of said transmission gear.

Claim 13 (Currently Amended): A method of manufacturing a transmission gear with  
a dog clutch gear ~~characterized by~~ comprising:

separately forming a dog clutch gear and a transmission gear, ~~wherein~~ said dog clutch  
gear having ~~has~~ clutch teeth formed on an outer circumferential surface of a ring part and  
tapered inversely so that the tooth thickness of each tooth decreases gradually from a chamfer  
portion at a tip end toward a base end portion thereof, said dog clutch gear including a flange  
~~is provided~~ on an outer circumferential surface of said ring part ~~to be located on the side~~  
~~corresponding to said base end portion of said clutch teeth~~ extending in an outer radial

direction from said base end portion of the clutch teeth, and said transmission gear having has  
an axial hole with a diameter that matches a diameter of said flange;

fitting the transmission gear onto said flange of said dog clutch gear; and

providing a plurality of interfaces performing welding between said transmission gear  
and the flange on both side surfaces of said transmission gear ~~simultaneously~~.

Claim 14 (New): A method of manufacturing a transmission gear with a dog clutch  
gear according to claim 11, wherein

said plurality of interfaces between said ring part and said transmission gear are  
welds.

Claim 15 (New): A method of manufacturing a transmission gear with a dog clutch  
gear according to claim 11, wherein

said plurality of interfaces between said ring part and said transmission gear are  
simultaneously welded.

Claim 16 (New): A transmission gear with a dog clutch gear according to claim 12,  
wherein

said plurality of interfaces between said ring part and said transmission gear are  
welds.

Claim 17 (New): A method of manufacturing a transmission gear with a dog clutch  
gear according to claim 13, wherein

said plurality of interfaces between said ring part and said transmission gear are  
welds.

Claim 18 (New): A method of manufacturing a transmission gear with a dog clutch gear according to claim 13, wherein

said plurality of interfaces between said ring part and said transmission gear are simultaneously welded.